Fei Gao

List of Publications by Year
in descending order

66	4,322	159573 30	138468 58
papers	citations	h-index	g-index

67	67	67	3217
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quasi-BIC laser enabled by high-contrast grating resonator for gas detection. Nanophotonics, 2022, 11, 297-304.	6.0	33
2	Topologically protected quantum entanglement emitters. Nature Photonics, 2022, 16, 248-257.	31.4	45
3	Geometrically Constrained Trajectory Optimization for Multicopters. IEEE Transactions on Robotics, 2022, 38, 3259-3278.	10.3	68
4	Mode-selective single-dipole excitation and controlled routing of guided waves in a multi-mode topological waveguide. Applied Physics Letters, 2022, 120, .	3.3	2
5	Elastic Tracker: A Spatio-temporal Trajectory Planner for Flexible Aerial Tracking. , 2022, , .		11
6	Dispersion-tunable photonic topological waveguides. Applied Physics Letters, 2022, 121, .	3.3	5
7	Enhancing directivity of terahertz photoconductive antennas using spoof surface plasmon structure. New Journal of Physics, 2022, 24, 073046.	2.9	9
8	High-Q Plasmonic Crystal Laser for Ultra-Sensitive Biomolecule Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	2.9	4
9	Editorial: Recent Progress in Surface Electromagnetic Modes. Frontiers in Physics, 2021, 9, .	2.1	1
10	Reconfigurable meta-radiator based on flexible mechanically controlled current distribution in three-dimensional space. Optics Letters, 2021, 46, 3633.	3.3	0
11	Flexible Bandwidth Broadening in Topological Waveguides. , 2021, , .		0
12	Generating Large-Scale Trajectories Efficiently using Double Descriptions of Polynomials. , 2021, , .		14
13	Guest Editorial: Autonomous systems: Navigation, learning, and control. IET Cyber-Systems and Robotics, 2021, 3, 279-280.	1.8	0
14	Cross-wavelength invisibility integrated with various invisibility tactics. Science Advances, 2020, 6, .	10.3	29
15	Chiral Plasmons with Twisted Atomic Bilayers. Physical Review Letters, 2020, 125, 077401.	7.8	51
16	Higherâ€Order Topological States in Surfaceâ€Wave Photonic Crystals. Advanced Science, 2020, 7, 1902724.	11.2	69
17	Survey of UAV motion planning. IET Cyber-Systems and Robotics, 2020, 2, 14-21.	1.8	60
18	Valley Kink States and Topological Channel Intersections in Substrateâ€Integrated Photonic Circuitry. Laser and Photonics Reviews, 2019, 13, 1900159.	8.7	57

#	Article	IF	Citations
19	Realization of an Acoustic Third-Order Topological Insulator. Physical Review Letters, 2019, 122, 244301.	7.8	160
20	Incidence, Risk Factors, and Outcomes of Primary Poor Graft Function after Allogeneic Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2019, 25, 1898-1907.	2.0	48
21	Valleyâ€Hall Photonic Topological Insulators with Dualâ€Band Kink States. Advanced Optical Materials, 2019, 7, 1900036.	7.3	61
22	Direct current remote cloak for arbitrary objects. Light: Science and Applications, 2019, 8, 30.	16.6	19
23	Transverse photon spin of bulk electromagnetic waves in bianisotropic media. Nature Photonics, 2019, 13, 878-882.	31.4	37
24	Acoustic higher-order topological insulator on a kagome lattice. Nature Materials, 2019, 18, 108-112.	27.5	603
25	Spoof Surface Plasmonic Graphene for Controlling the Transports and Emissions of Electromagnetic Waves. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 50-56.	4.6	7
26	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 3806132.	5.7	22
27	Topological surface plasmon polaritons. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 224101.	0.5	4
28	Spiral Field Generation in Smith-Purcell Radiation by Helical Metagratings. Research, 2019, 2019, 1-8.	5.7	7
29	Topologically protected refraction of robust kink states in valley photonic crystals. Nature Physics, 2018, 14, 140-144.	16.7	355
30	Diodelike Spin-Orbit Interactions of Light in Chiral Metasurfaces. IEEE Transactions on Antennas and Propagation, 2018, 66, 7148-7155.	5.1	23
31	Spoof Plasmonics: From Metamaterial Concept to Topological Description. Advanced Materials, 2018, 30, e1706683.	21.0	111
32	Flexible Photonic Topological Insulator. Advanced Optical Materials, 2018, 6, 1800532.	7.3	16
33	Superlight inverse Doppler effect. Nature Physics, 2018, 14, 1001-1005.	16.7	54
34	Splashing transients of 2D plasmons launched by swift electrons. Science Advances, 2017, 3, e1601192.	10.3	69
35	Forward/Backward Switching of Plasmonic Wave Propagation Using Signâ€Reversal Coupling. Advanced Materials, 2017, 29, 1700018.	21.0	31
36	Experimental demonstration of Fabry-Perot open resonators in a surface-wave bandgap crystal. Applied Physics Letters, 2017, 111, .	3.3	2

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37	Strain-Induced Gauge Field and Landau Levels in Acoustic Structures. Physical Review Letters, 2017, 118, 194301.	7.8	46
38	Valley surface-wave photonic crystal and its bulk/edge transport. Physical Review B, 2017, 96, .	3.2	119
39	Observation of Fano resonance and classical analog of electromagnetically induced transparency in toroidal metamaterials. Annalen Der Physik, 2016, 528, 352-357.	2.4	47
40	Synthetic-gauge-field-induced Dirac semimetal state in an acoustic resonator system. New Journal of Physics, 2016, 18, 125003.	2.9	4
41	High-order spoof localized surface plasmons supported on a complementary metallic spiral structure. Scientific Reports, 2016, 6, 24447.	3.3	18
42	High-performance hybrid organic-inorganic perovskite nanoparticles based piezoelectric energy harvester. , 2016, , .		1
43	Experimental demonstration of broadband reflectionless diffraction-free electromagnetic wave routing. Physical Review B, 2016, 94, .	3.2	2
44	Guiding, bending, and splitting of coupled defect surface modes in a surface-wave photonic crystal. Applied Physics Letters, 2016, 108, 041105.	3.3	30
45	Multi-directional plasmonic surface-wave splitters with full bandwidth isolation. Applied Physics Letters, 2016, 108, .	3.3	19
46	Experimental demonstration of a band-notched line-defect waveguide in a surface-wave photonic crystal. Applied Physics Letters, 2016, 109, 131103.	3.3	0
47	Topological water wave states in a one-dimensional structure. Scientific Reports, 2016, 6, 29202.	3.3	41
48	Ultra-broadband carpet cloak for transverse-electric polarization. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	2.2	9
49	Experimental verification of free-space singular boundary conditions in an invisibility cloak. Journal of Optics (United Kingdom), 2016, 18, 044008.	2.2	5
50	Localized spoof surface plasmons in textured open metal surfaces. Optics Letters, 2016, 41, 2181.	3.3	45
51	Invisibility Dips of Nearâ€Field Energy Transport in a Spoof Plasmonic Metadimer. Advanced Functional Materials, 2016, 26, 8307-8312.	14.9	37
52	Deep-subwavelength magnetic-coupling-dominant interaction among magnetic localized surface plasmons. Physical Review B, 2016, 93, .	3.2	21
53	Probing topological protection using a designer surface plasmon structure. Nature Communications, 2016, 7, 11619.	12.8	210
54	Translation and Rotation of Transformation Media under Electromagnetic Pulse. Scientific Reports, 2016, 6, 28346.	3.3	0

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55	Frequency-selective propagation of localized spoof surface plasmons in a graded plasmonic resonator chain. Scientific Reports, 2016, 6, 25576.	3.3	15
56	Loss induced amplification of graphene plasmons. Optics Letters, 2016, 41, 681.	3.3	39
57	Caustic graphene plasmons with Kelvin angle. Physical Review B, 2015, 92, .	3.2	26
58	Complementary structure for designer localized surface plasmons. Applied Physics Letters, 2015, 107, .	3.3	29
59	Vertical transport of subwavelength localized surface electromagnetic modes. Laser and Photonics Reviews, 2015, 9, 571-576.	8.7	36
60	Electromagnetic Detection of a Perfect Carpet Cloak. Scientific Reports, 2015, 5, 10401.	3.3	10
61	Topological Acoustics. Physical Review Letters, 2015, 114, 114301.	7.8	963
62	Dispersion-tunable designer-plasmonic resonator with enhanced high-order resonances. Optics Express, 2015, 23, 6896.	3.4	40
63	Experimental demonstration of high-order magnetic localized spoof surface plasmons. Applied Physics Letters, 2015, 107, .	3.3	28
64	Ultrathin Three-Dimensional Thermal Cloak. Physical Review Letters, 2014, 112, 054301.	7.8	340
65	Atomically thin nonreciprocal optical isolation. Scientific Reports, 2014, 4, 4190.	3.3	38
66	Base-Catalyzed Reactions in NH3-Enriched Near-Critical Water. Industrial & Engineering Chemistry Research, 2006, 45, 4145-4149.	3.7	17